



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

[Advanced Scholar Search](#)

cartilage OR cartilaginous OR cartilaginous matrix

[Scholar Preferences](#)

[Scholar Help](#)

Scholar All articles - Recent articles Results 1 - 10 of about 28,100 for **cartilage OR cartilaginous OR cartilaginous matrix degradation OR degeneration review**. (0.37 seconds)

Did you mean: **cartilage OR cartilaginous OR cartilaginous matrix degradation OR degeneration review**

[The role of cytokines in cartilage matrix degeneration in osteoarthritis.](#)

SR Goldring, MB Goldring - *Clin Orthop Relat Res*, 2004 - ncbi.nlm.nih.gov

... of cytokines in cartilage matrix degeneration in osteoarthritis ... mediating the increased matrix degradation that characterizes the osteoarthritic cartilage lesion ...

Cited by 68 - [Related articles](#) - [Web Search](#) - [Bl. Direct](#)

[\[HTML\] Aggrecanases and cartilage matrix degradation](#)

H Nagase, M Kashiyagi - *ARTHRITIS RESEARCH AND THERAPY*, 2003 - arthritis-research.com

... the secondary ossification centre in the cartilaginous epiphysis of ... radicals as effectors of cartilage destruction. ... Okada Y: Proteinase and matrix degradation. ...

Cited by 92 - [Related articles](#) - [Cached](#) - [Web Search](#) - [Bl. Direct](#) - [All 3 versions](#)

... protects articular cartilage from interleukin-1-induced extracellular matrix degradation.

VM Baragi, RR Renkiewicz, H Jordan, J Bonadio, JW ... - *Journal of Clinical Investigation*, 1995 - pubmedcentral.nih.gov

... Osteoarthritis: a review of the cell biology involved and evidence ... and recombinant human interleukin-1 beta stimulate cartilage matrix degradation and inhibit ...

Cited by 68 - [Related articles](#) - [Web Search](#) - [Bl. Direct](#) - [All 3 versions](#)

... in the human knee: a dynamic process of **cartilage matrix degradation**, synthesis and reorganization.

AR Poole, G Rizkalla, M Ionescu, A Reiner, E ... - *Agents Actions Suppl*, 1993 - ncbi.nlm.nih.gov

... which involve a number of matrix molecules. ... and aggrecan content occur deeper in the cartilage. ... of collagen fibrils and increased degradation and synthesis of ...

Cited by 46 - [Related articles](#) - [Web Search](#) - [Bl. Direct](#)

[\[PDF\] Articular cartilage and changes in arthritis: matrix degradation](#)

JS Mort, CJ Billington - *Arthritis Res*, 2001 - biomedcentral.com

Page 1. Review Articular cartilage and changes in arthritis Matrix degradation

John S Mort and Caron J Billington Joint Diseases ...

Cited by 46 - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 3 versions](#)

[Factors related to degradation of articular cartilage in osteoarthritis: a review](#)

S Tanaka, C Hamarishi, H Kikuchi, K Fukuda - *Seminars in Arthritis and Rheumatism*, 1998 - Elsevier

... that destabilize the normal coupling of degradation and synthesis of articular cartilage chondrocytes and extracellular matrix and subchondral ...

Cited by 64 - [Related articles](#) - [Web Search](#) - [Bl. Direct](#) - [All 4 versions](#)

[Matrix metalloproteinase degradation of extracellular matrix: biological consequences](#)

SD Shapiro - *Current Opinion in Cell Biology*, 1993 - Elsevier

... MMP-9 is required to initiate primary angiogenesis in the cartilage growth plate ...

Page 4. Matrix metalloproteinase degradation of extracellular ...

Cited by 275 · Related articles · Web Search · Cite Direct · All 4 versions

Enhanced cleavage of type II collagen by collagenases in osteoarthritic articular cartilage.

RC Billinghurst, L Dahlberg, M Ionescu, A Reiner, ... · Journal of Clinical Investigation, 1997 · pubmedcentral.nih.gov

... with interleukin 1 while the rate of intracellular degradation remains unchanged. ...

in normal fetal and adult osteoarthritic cartilage with monoclonal ... Matrix Biol ...

Cited by 652 · Related articles · Web Search · Cite Direct · All 8 versions

Application of chitosan-based polysaccharide biomaterials in cartilage tissue engineering: a review

JK Francis Sut, HWT Matthew · Biomaterials, 2000 · Elsevier

... result, there was evidence of degeneration, fissuring in ... molecules are also present

in cartilage matrix as the ... and proteoglycan release [61] and degradation [62 ...

Cited by 345 · Related articles · Web Search · Cite Direct · All 4 versions

... of interleukin-1 and tumor necrosis factor in matrix degradation of human osteoarthritic cartilage

M Kobayashi, GR Squires, A Mousa, M Tanzer, DJ ... · Arthritis Rheum, 2005 · doi.wiley.com

... that spares collagenase 1 (matrix metalloproteinase 1 ... and extends into the cartilage

with progressive degeneration. ... Cellular biology of cartilage degradation. ...

Cited by 71 · Related articles · Web Search · All 2 versions

Key authors: Z Werb · A Poole · A Grodzinsky · B Caterson · C Flannery

Did you mean to search for: cartilage OR cartilaginous OR cartilaginous matrix degradation OR degeneration review

Google ►
Result Page: 1 2 3 4 5 6 7 8 9 10 [Next](#)

[Google Home](#) · [About Google](#) · [About Google Scholar](#)

©2008 Google